



How To Help in Half an Hour

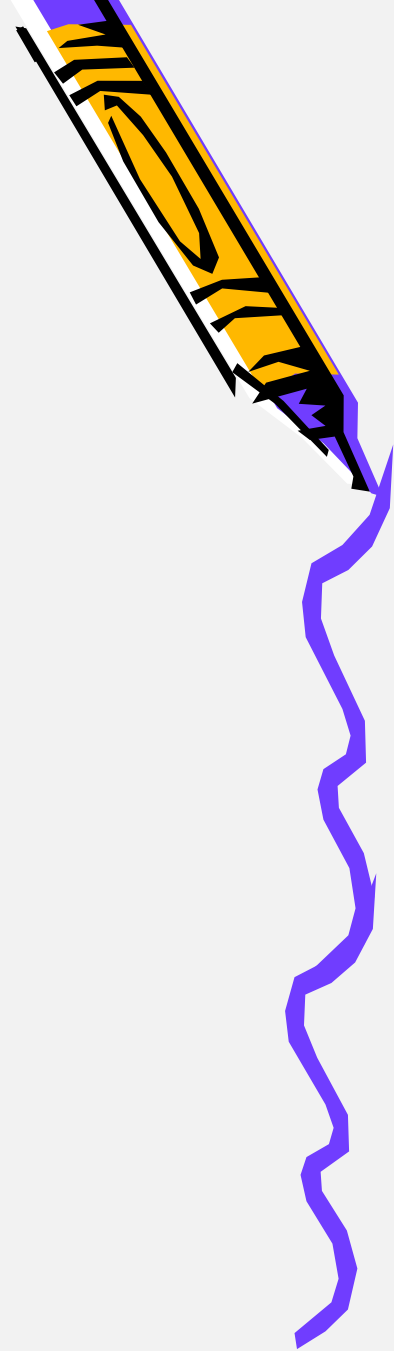


Singapore Maths



What is Singapore maths?

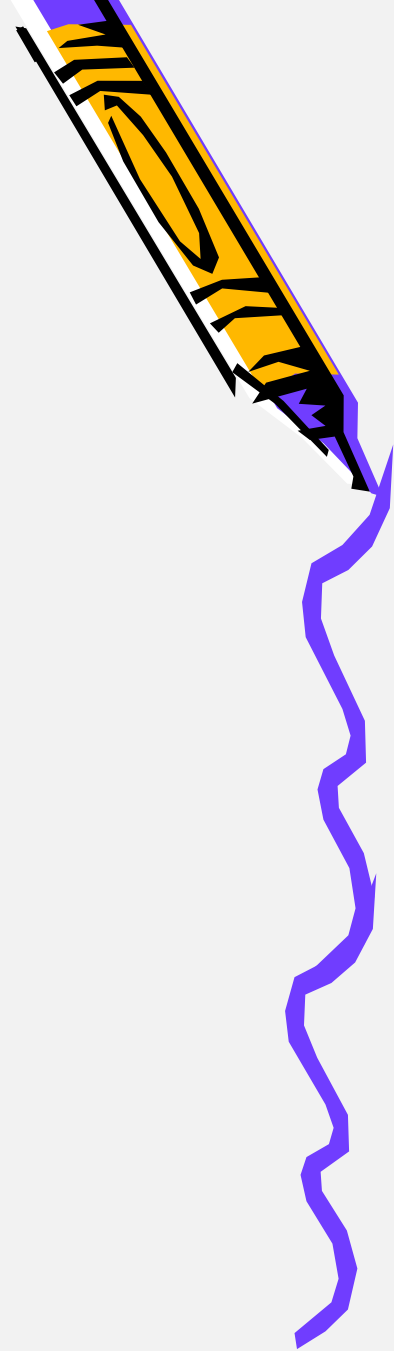
- Singapore maths is a form of maths mastery,
- It is a highly effective way to teach maths based on research and evidence,
- Builds students need for fluency without rote learning,
- Pupils learn to think mathematically opposed to reciting formulas they don't understand.
- In Singapore the children, in year 1, are 20 months ahead of the children in the UK, America and the rest of Europe.



Student-Centric Learning Experiences

Students are actively-engaged in sense making through;

- Learning by Doing
- Learning by Teaching Others
- Learning by Interacting
- Learning by Inquiring

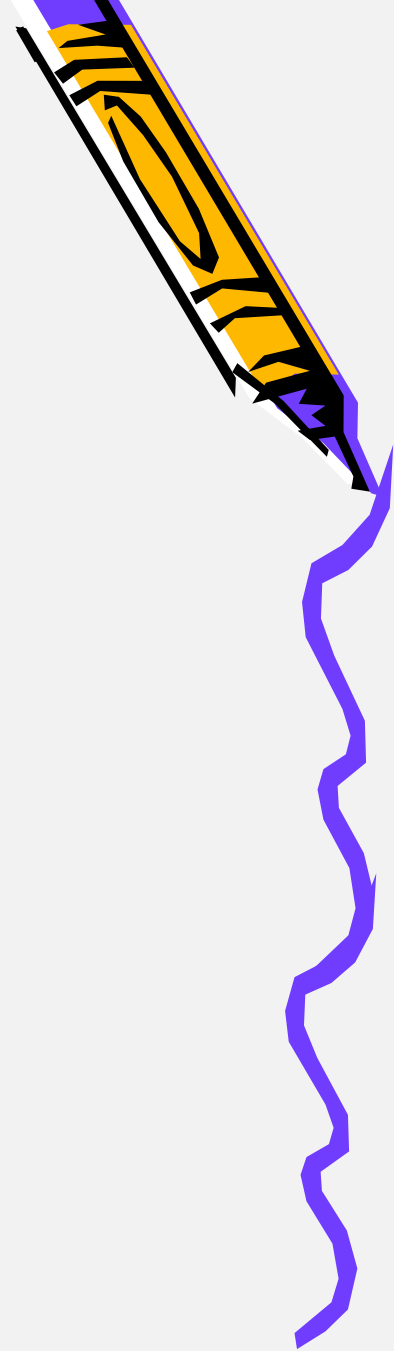


How does it work?

C P A

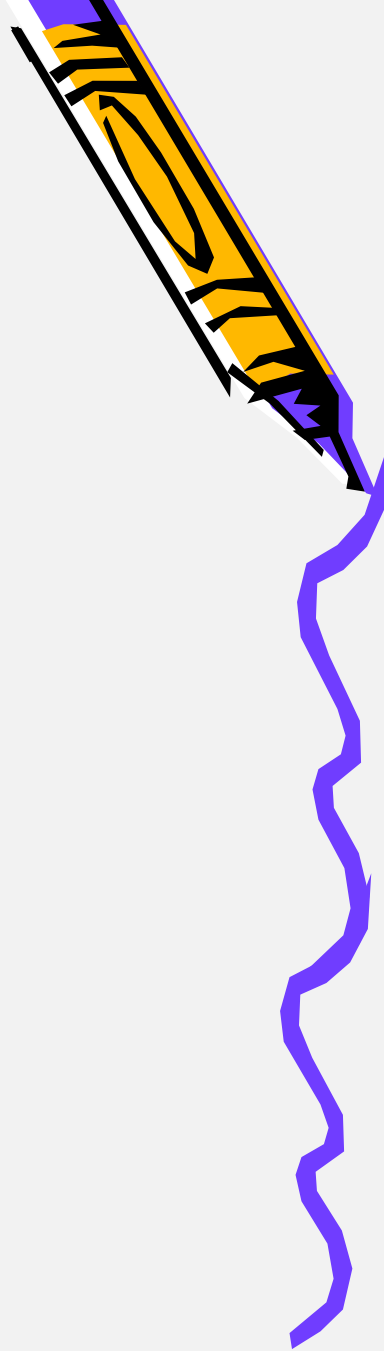
Concrete- doing
Pictorial- seeing
Abstract- symbolic

All three will be seen in every maths lesson.



Expectations

- full answers- helps to develop spoken language,
- use of key mathematical vocabulary,
- all children will be completing the same work.



Differentiated?

- All children will work on the same task but questioning is used to extend the thinking of the more able.
- The Singapore math experts believe in the CPA approach, plus allowing the children to teach others showing their understanding of the TOPIC.
- Differentiated through questioning.



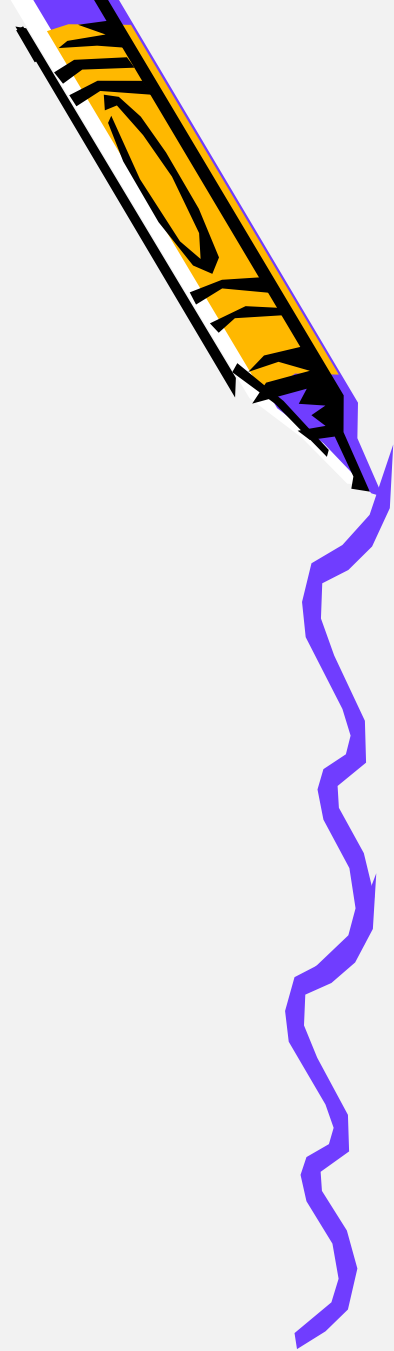
Structure of a lesson

Focus question- carpet session - discussions and questioning.

Guided practise - paired work using concrete manipulatives to solve a mathematical question.

Independent - work book- children have the opportunity to complete their work using cubes, number lines or a method of their choice.

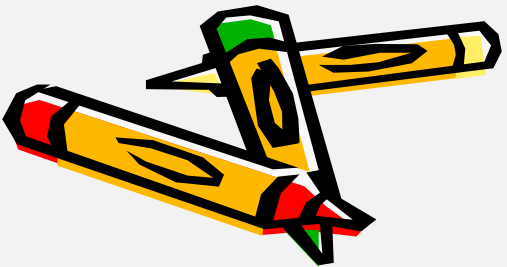
Maths journal - extending the learner and allowing them to explain how and why they have solved the mathematical problem in this way.



In focus task.



What addition stories can you make from the picture?



Guided practice

Guided Practice

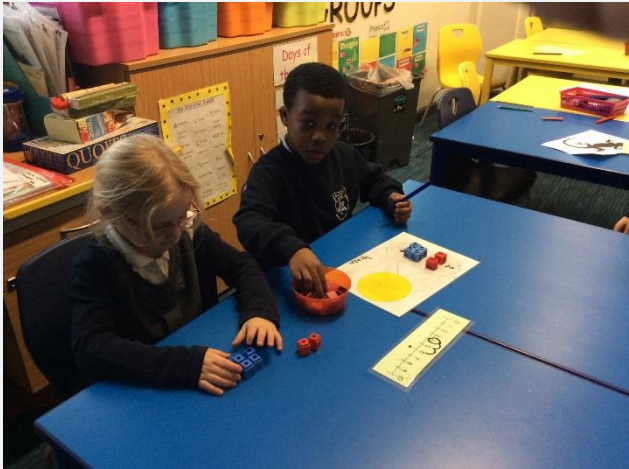
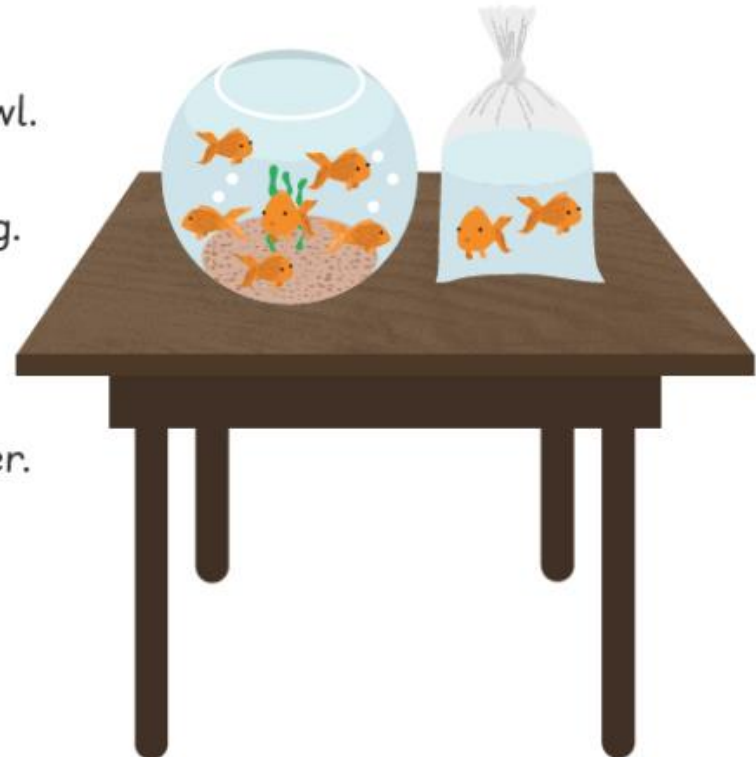
Write the missing numbers.

1 There are goldfish in the bowl.

There are goldfish in the bag.

$$\text{} + \text{} = \text{}$$

There are goldfish altogether.



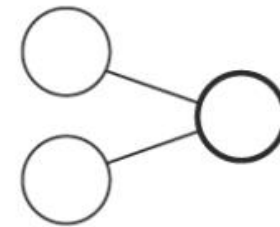
Independent work

Add by Using Number Bonds

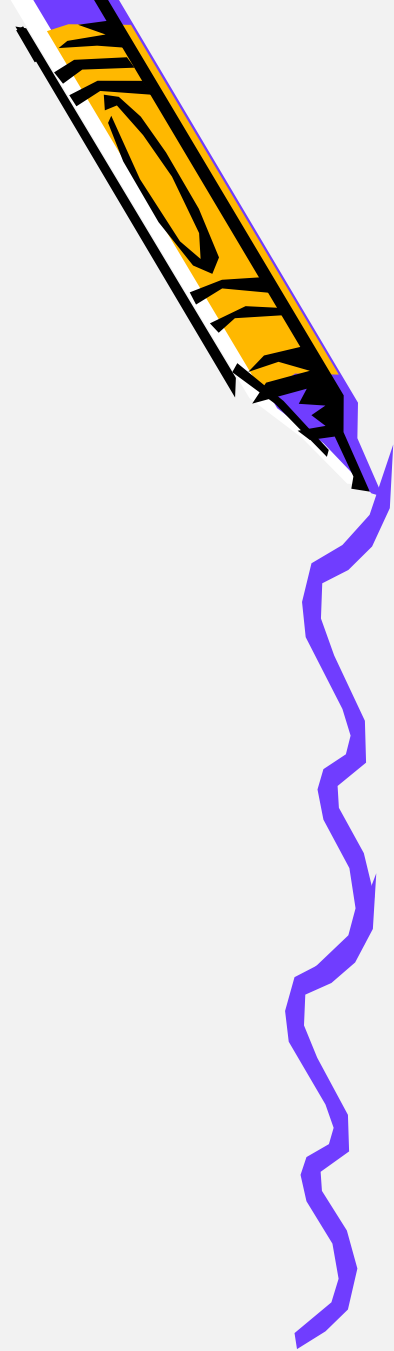
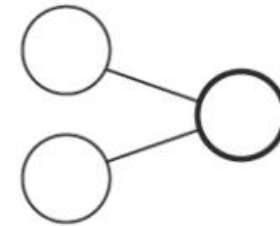
- 1 Complete the number bonds.
Write the missing numbers.



$$\square + \square = \square$$



$$\square + \square = \square$$



Homework

Year 1 will be sent home weekly with math homework based on Maths Singapore. This will include activities that we would have completed that week. This extra practise allows the children the chance to deepen their understanding and think independently about how they will solve and complete a mathematical questions whilst understand why.

